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A formal approach to MpSoC performance verification

psu.edu [PDF]

K Richter, M Jersak, R Ernst - Computer, 2003 - doi.ieeecomputersociety.org

... which the source is not **periodic**, such as seemingly irregular user-generated **service** requests ...
Finally, the output **event** streams are interfaced to the input models that the individual ... The DSP
requires **periodic** input data to fit the given implementation of purely **periodic scheduling**. ...

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Periodic event execution control mechanism

T Pham - US Patent App. 10/624,165, 2003 - Google Patents

... Another **mode** is a continuous **mode** in which the **service** is enable and allowed to be executed ...
2 is a flow diagram of one embodiment of a method 200 of **scheduling periodic events**. ... of method
200 are suitable for use in embodiments of the **periodic event scheduler** 106 shown ...

All 2 versions

Event detection services using data service middleware in distributed sensor ...

psu.edu [PDF]

S Li, Y Lin, SH Son, JA Stankovic, Y Wei - Telecommunication Systems, 2004 - Springer

... use the total number of queries routed through itself, the proportion of **periodic** queries, average ...
For example, we can use the velocity monotonic **scheduling** or SPEED protocol [He et ... Figure
4 is the comparison between real-time **event services** (denoted by the DSWARE curve ...

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[PDF] System level performance analysis--the SymTA/S approach

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R Henia, A Hamann, M Jersak, R Racu, K ... - ... -Computers and Digital ..., 2005 - Citeseer

... They use numer- ical upper and lower bound **event** arrival curves for **event** streams, and similar
service curves for execution modeling. ... than the ones known from the classical real-time systems
research, eg the model of rate- monotonic **scheduling** with its **periodic** tasks and ...

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[PDF] Processor capacity reserves: Operating system support for multimedia ...

psu.edu [PDF]

CW Mercer, S Savage, H Tokuda - Proceedings of the IEEE International ..., 1994 - Citeseer

... With accurate usage measurements and a mechanism to generate a **scheduling event** when
a ... ED) **scheduling** policy, a dynamic priority policy, is effective for **scheduling periodic** pro- grams ...
So either of the **scheduling** algorithms would be appropriate for reservation **scheduling**. ...
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Scheduling algorithm for hard real-time communication in demand priority network

psu.edu [PDF]

T Kim, H Shin, N Chang - Proceedings of the 10th ..., 1998 - doi.ieeecomputersociety.org
... Aperiodic messages irregularly arise from the external **events**. ... This paper mainly deals with the
problem of **scheduling periodic** messages in ... the **burst mode** which allows more than one frame
per net- work access[9]. In this paper we propose a frame-based preemptive mes ...
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G Braunschweig - Citeseer
... in most situations, where the source is not **periodic**, eg user generated **service** requests or ... Finally,
the output **event** streams are interfaced to the input models required by the ... The DSP requires
periodic input data to fit the given implementation of purely **periodic scheduling**. ...
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[PDF] TAO: A High Performance Endsystem Architecture for Real-Time CORBA

psu.edu [PDF]

DC Schmidt, A Gokhale, TH Harrison, D Levine, ... - IEEE Communications ..., 1997 - Citeseer
... a mechanism for dispatching asynchronous **events** according to the **periodic** processing
requirements of **event** consumers; and Section ... At run-time, TAO's Object Adapter uses the
Scheduling Service to determine how to share the ... **PERIODIC SCHEDULING** AND DISPATCHING ...
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[PDF] ... for transmission of real-time messages in **burst mode** over IEEE 802.12 ...

psu.edu [PDF]

T Kim, N Kim, N Chang, H Shin... - i> Proceedings of the 15th IFAC ..., 1998 - Citeseer
... Recently, a priority-driven message **scheduling** algorithm is pro- posed in (Kim et al., 1998). ...
enforces the transmission of **periodic** messages in priority or- der, to guarantee the deadlines
of **periodic** messages. ... To improve the effi- ciency of 802.12 network, a **burst mode** transmis- ...
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[PDF] Onboard processing using the adaptive network architecture

psu.edu [PDF]

D Suri, A Howell, N Shankaran, J Kinnebrew, W Otte ... - Proceedings of the Sixth ... - Citeseer
... posed of two primary subsystems: (1) the SA-POP planner and **scheduler** that generate ... a CCM
component defined in the D&C specification [2] that receives **periodic** resource utilization ... compute
a quality value indicating the likelihood of a transient plasma **event** as determined ...
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